UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : 6,778,021 B2
APPLICATION NO. : 10/733681
DATED : August 17, 2004
INVENTOR(S) : Gilles P. Denoyer and Daniel Case

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 2
Line 52, before "by the average" change "loops" to --loop--
Line 65, after "used" remove "for"

Column 4
Line 34, before "cancellation" change "DC/AGC" to --DC/AC--
Line 62, after "digital signal" remove "114" (OURS not labeled in Figs.)

Column 5
Line 5, before "forward" change "an" to --a--
Line 13, after "thereof." remove "341"
Line 13, before "The feedback" begin a new paragraph.
Line 44, before "This" remove "In"

Column 6
Line 10, before "the emitter" remove "the output of"
Line 45, change "FIG. 3 and the collector" to --FIG. 3, the collector--
Line 46, change "photodiode, the" to --photodiode, and the--
Line 47, after "base" change "o" to --of--

Column 7
Line 65, before "and the feedback" remove "where"

Column 10
Line 52, change "$f_{HPF-3dB} = R_f \cdot A_1 g_{m2} \cdot B \cdot f_o$" to
-- $f_{HPF-3dB} = R_f \cdot A_1 \cdot g_{m2} \cdot B \cdot f_o$ --

Line 57, change "$f_{HPF-3dB} = R_C \cdot A_1 g_{m1} \cdot B \cdot f_o$" to
-- $f_{HPF-3dB} = R_C \cdot A_1 \cdot g_{m1} \cdot B \cdot f_o$ --

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : 6,778,021 B2
APPLICATION NO. : 10/733681
DATED : August 17, 2004
INVENTOR(S) : Giles P. Denoyer and Daniel Case

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 12
Lines 5 to 13, change all text and equations starting on line 5 with "$I_2 = I_{PD} + I_{RF1}$ and" and ending on line 13 with "$I_{RF5} = I_{RF1} = I_3$ (27)" to

-- $$I_3 = \frac{I_2}{N} \quad (24)$$ --

Line 50, change

" $$g_{m1} = \frac{I_{Q1}}{V_T} = \left[\frac{V_{CC} - 2V_{BE}}{R_C} \cdot \left(\frac{1}{R_C}\right)\right] - \left[\left(\frac{R_F}{R_C}\right) \cdot \left(\frac{I_{PD}}{(N-1)}\right) \cdot \left(\frac{1}{V_T}\right)\right]$$ " to

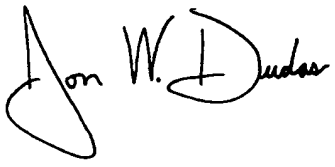
-- $$g_{m1} = \frac{I_{Q1}}{V_T} = \left[\frac{V_{CC} - 2V_{BE}}{V_T} \cdot \left(\frac{1}{R_C}\right)\right] - \left[\left(\frac{R_F}{R_C}\right) \cdot \left(\frac{I_{PD}}{(N-1)}\right) \cdot \left(\frac{1}{V_T}\right)\right]$$ --

Column 14
Line 47, after "first circuit" remove "that"

Column 15
Line 39, before "a first emitter size;" change "have" to --having--

Signed and Sealed this

Third Day of October, 2006



JON W. DUDAS
Director of the United States Patent and Trademark Office